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IN THE CLAIMS:

Please replace Claims 12 - 16, 18 - 20, and 22 - 24 with the following amended claims.

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12. (Amended) A belt tension sensor comprising:

a moving arm force responder, and

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a sensor responsive to said moving arm force responder by generating an electric signal indicating belt tension, and wherein:



said moving arm force responder comprises a base affixed to an arm.

force from said belt is applied to said base in the direction of an axis,

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said force,

said base is adapted to flex upon said application of

said arm extends from said base substantially parallel with said axis, and

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said flexing urges said arm to move relative to said sensor, whereby

said sensor responds to said flexing of said base by generating said electric signal.

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13. (Amended) The invention as defined by Claim 12, including

means for selecting the component of force from a belt in the direction of an axis from other components of said force from a belt, and wherein

said force from said belt applied to said base comprises said axial component.

14. (Amended) The invention as defined by Claim 13 wherein said means for selecting the component of force comprises:

a tension receiver movable in the direction of said axis, and

low friction bearing means for bearing said movement of said tension receiver in the direction of said axis.

15. (Amended) The invention as defined by Claim 14 wherein:

said low friction bearing means comprises said base engaging both an anchor and said tension receiver.

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and wherein:

(Amended) The invention as defined by Claim 12

said sensor is responsive to the position of said arm.

sensor and a moving arm force responder, and

18. (Amended) A force sensor comprising:

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wherein:

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said maying arm force responder comprises a base having a first surface adapted to receive a first force perpendicular to said first surface,

said moving arm force responder also comprises two arms each extending from said case in a direction perpendicular to said first surface,

said base is adapted to respond to said first force by

20 flexing,

said flexing causes said base to urge said arms to move relative to each other, and,

said sensor is responsive to said arms by generating an electric signal indicating said first force.

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19. (Amended) The invention as defined by Claim 18 and wherein:

said sensor comprises a capacitance sensor and two capacitor elements,

there is a first capacitance between one of said two capacitor elements and one of said two arms,

there is a second capacitance between the other of said two capacitor elements and the other of said two arms,

said arms are electrically connected to each other,

said capacitance sensor is connected to said capacitor elements for sensing the capacitance therebetween, and

said capacitance sensor is adapted to generate a signal responsive to said capacitance between said capacitor elements, whereby

said signal responsive to said capacitance is said electric signal.

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20. (Amended) The invention as defined by Claim 18 and wherein:

said sensor comprises a permanent magnet and a magnetic field sensor,

said permanent magnet provides a magnetic field between said arms, and

said magnetic field sensor is adapted to generate a signal responsive to said magnetic field between said arms, whereby

said signal responsive to said magnetic field is said electric signal.

22. (Amended) The invention as defined by Claim 21 wherein:

said base and said groove are adapted to minimize friction between said base and said salient edges during said flexing.

23. (Amended) The invention as defined by Claim 21 wherein;

when said first force is small, a gap delimited by said salient edges exists between said base and said groove, and

there is a predetermined level of said first force above which said base and said groove abut at points between said salient edges.

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24. (Amended) The invention as defined by Claim 18, and including:

a tension receiver,

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an anchor, and

a first bearing means, and wherein:

an axis,

said tension receiver is movable in the direction of

said first bearing means bears said tension receiver

in said movement, and

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said first bearing means comprises first flexible suspension means engaging said anchor and said tension receiver.